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Coursera - Working with MySQL DB instance using AWS RDS

Generated on December 19, 2023

Summary

Notes

Screenshots

Bookmarks

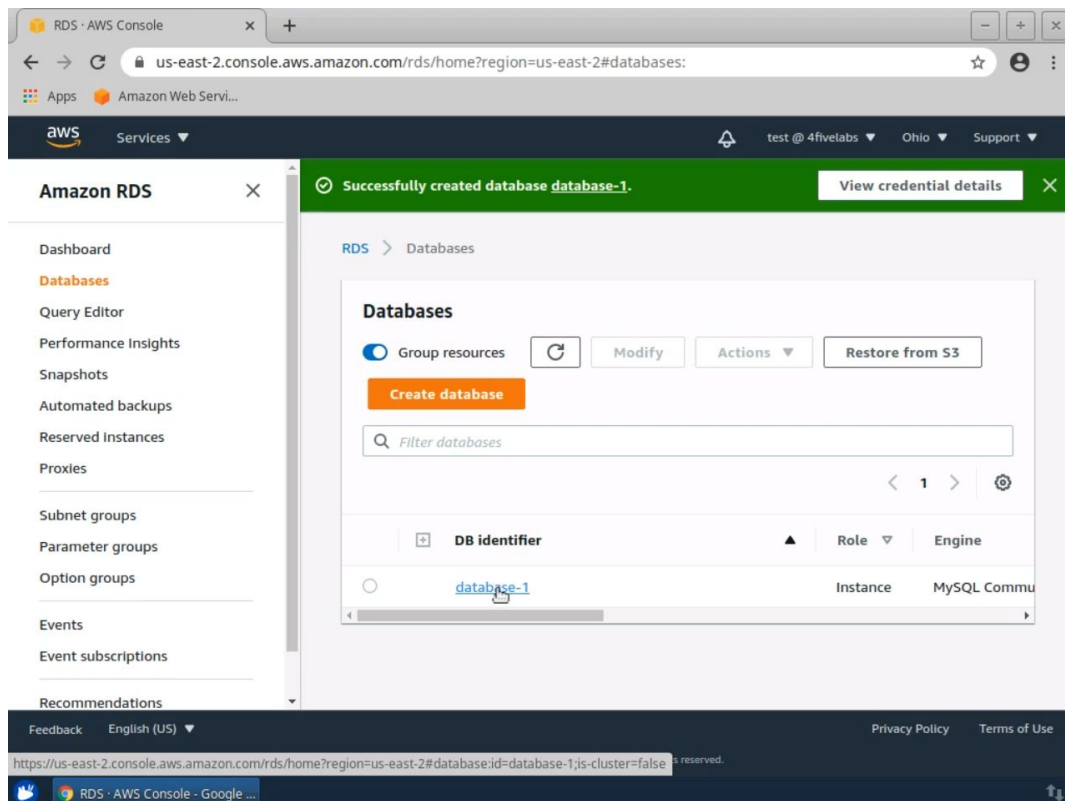
4

19

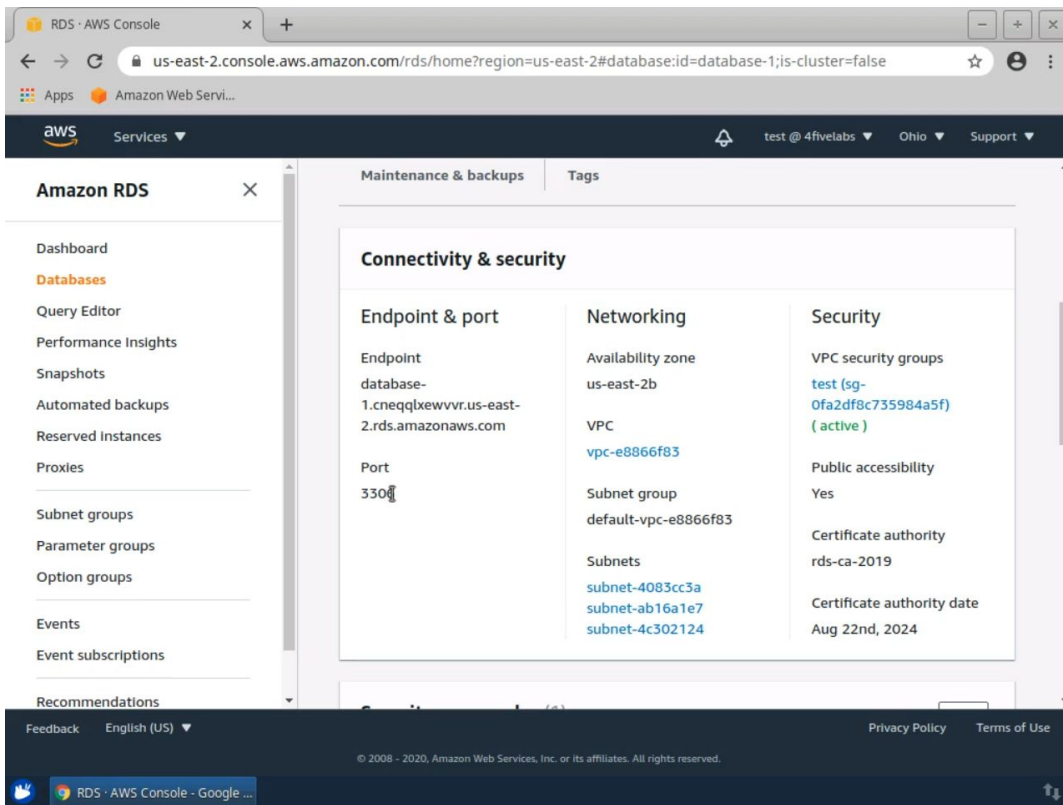
0

to connect with DB instance we need database details
such as database endpoints and username

0:34



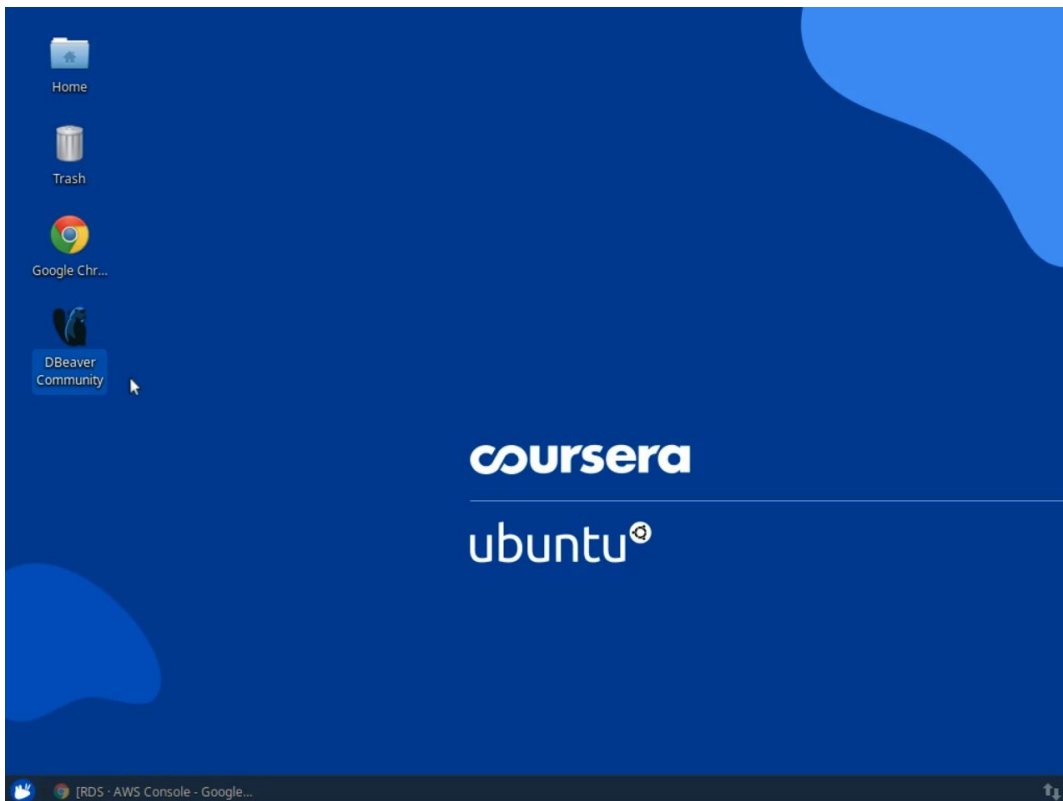
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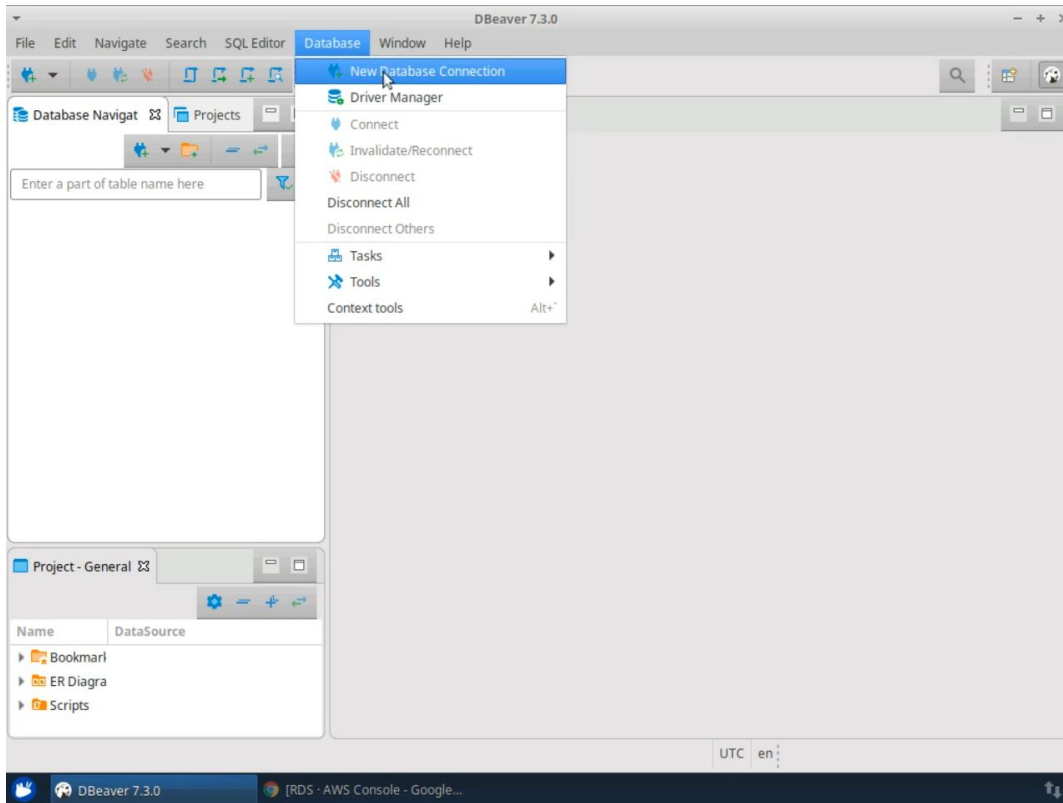
▶ 1:05

DBeaver is visual tool for database activity

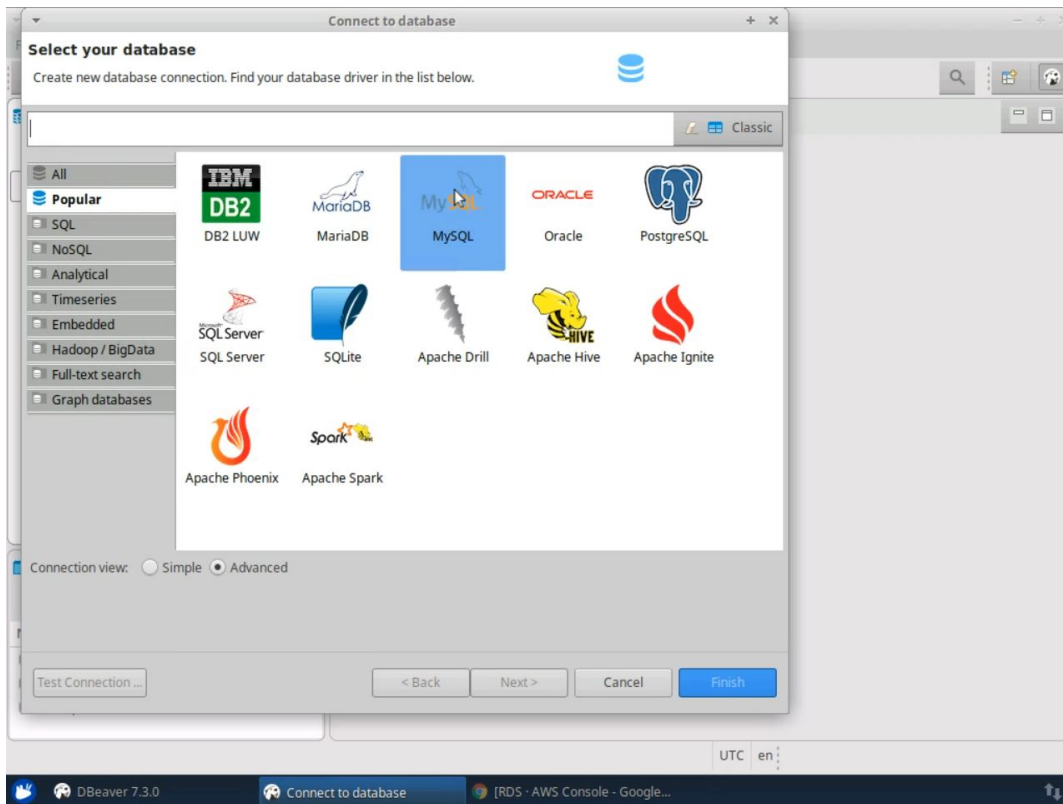
▶ 1:38



2:02



2:23



2:39

RDS - AWS Console

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#database:id=database-1;is-cluster=false

Amazon RDS

Maintenance & backups | Tags

Connectivity & security

Endpoint & port	Networking	Security
Endpoint database-1.cneqqxwvvr.us-east-2.rds.amazonaws.com	Availability zone us-east-2b	VPC security groups test (sg-0fa2df8c735984a5f) (active)
Port 3306	VPC vpc-e8866f83	Public accessibility Yes
	Subnet group default-vpc-e8866f83	Certificate authority rds-ca-2019
	Subnets subnet-4083cc3a subnet-ab16a1e7 subnet-4c302124	Certificate authority date Aug 22nd, 2024

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DBEaver 7.3.0 Connect to database RDS - AWS Console - Google ...

3:14

Connect to database

Connection Settings

MySQL connection settings

Main Driver properties SSH Proxy SSL

Server

Server Host: Port: 3306

Database:

Authentication (Database Name)

Username: root Password: ☒ Save password locally

Advanced

Server Time Zone: Auto-detect

Local Client: <not present>

You can use variables in connection parameters. Connection details (name, type, ...)

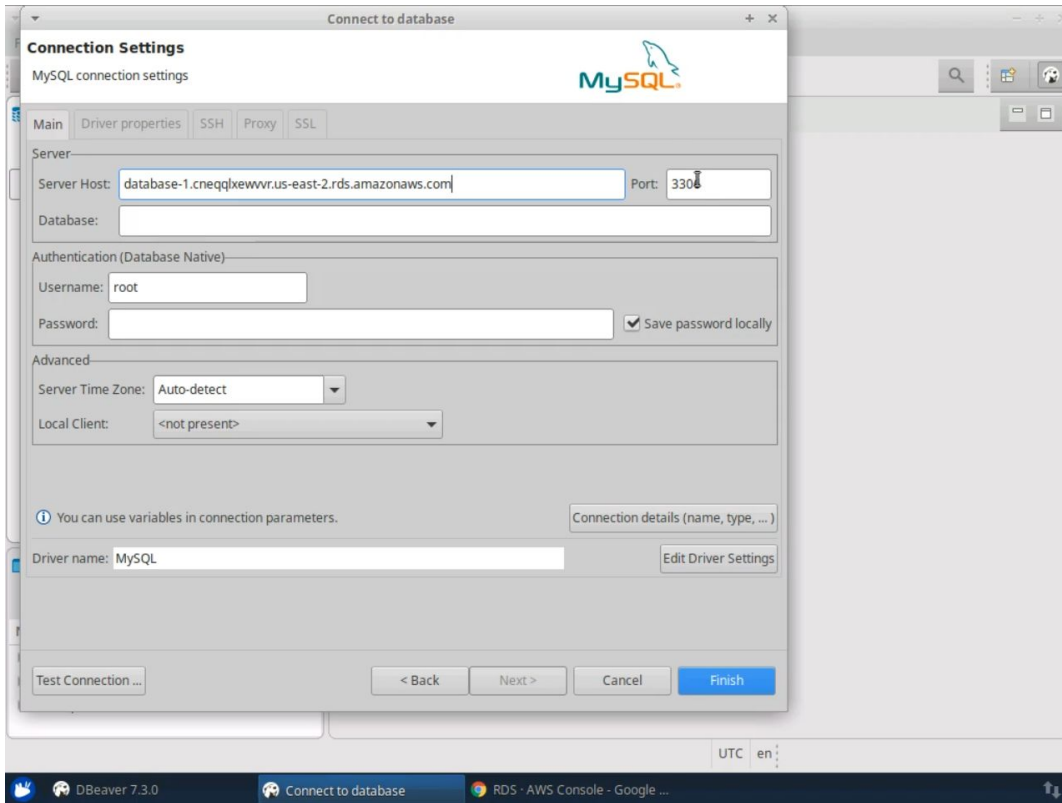
Driver name: MySQL Edit Driver Settings

Test Connection ... < Back Next > Cancel Finish

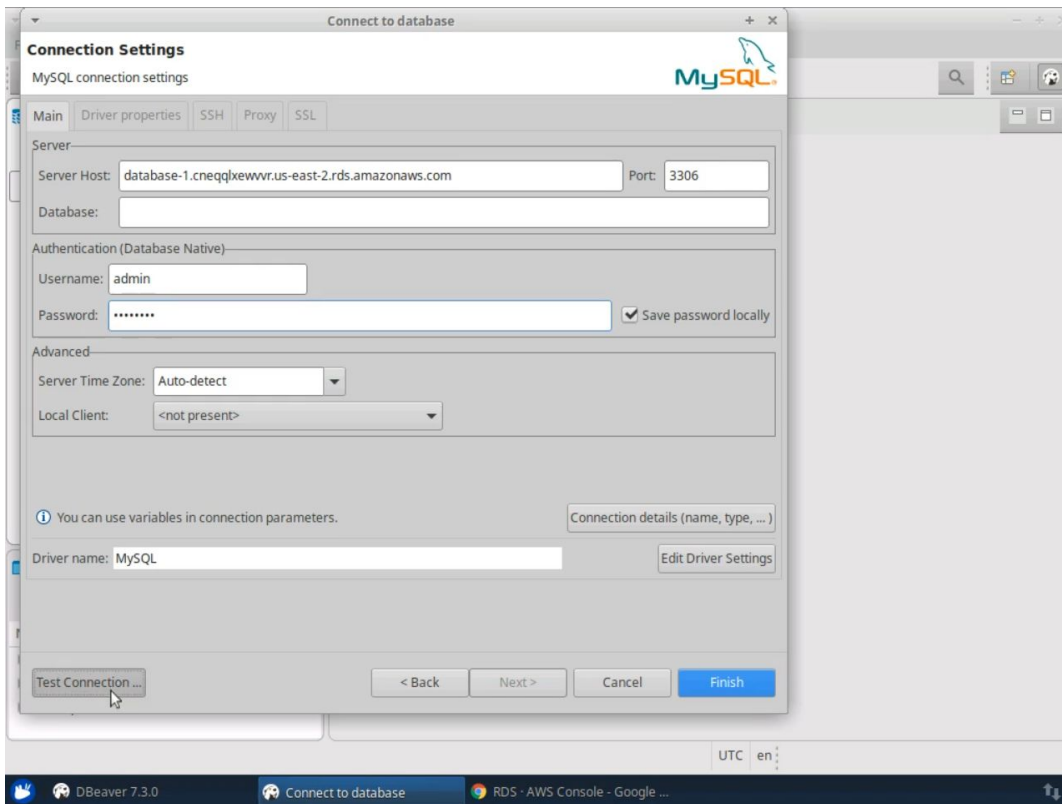
UTC en

DBEaver 7.3.0 Connect to database RDS - AWS Console - Google ...

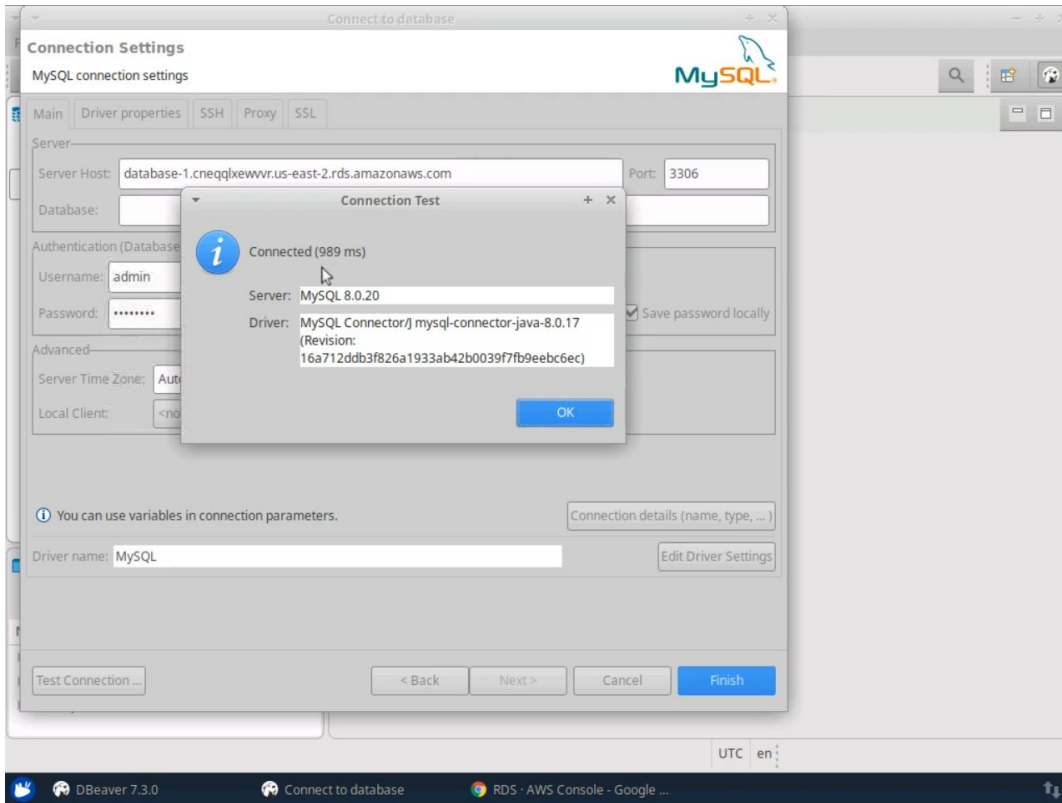
▶ 3:27



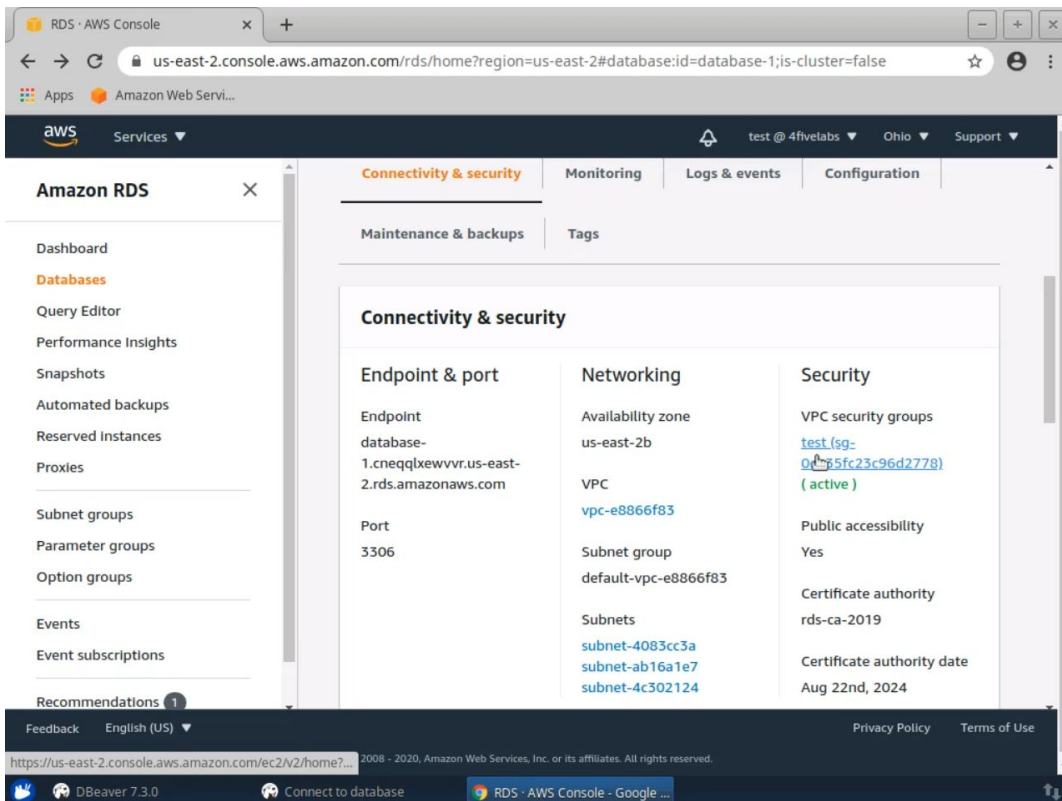
▶ 3:29



▶ 4:18



▶ 4:24



▶ 4:58

EC2 Management Console

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#SecurityGroups:search=sg-0ea35fc23c96d2778...

Services

New EC2 Experience

EC2 Dashboard

Events

Tags

Limits

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

Security Groups (1/1)

Filter security groups

search: sg-0ea35fc23c96d2778

Clear filters

<input checked="" type="checkbox"/>	Name	Security group ID	Security group name
<input checked="" type="checkbox"/>	-	sg-0ea35fc23c96d2778	test

sg-0ea35fc23c96d2778 - test

Details Inbound rules Outbound rules Tags

Inbound rules

Edit inbound rules

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https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#SecurityGroups:search=sg-0ea35fc23c96d2778...

DBEaver 7.3.0 Connect to database EC2 Management Console

▶ 5:11

EC2 Management Console

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#SecurityGroups:search=sg-0ea35fc23c96d2778...

Services

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Limits

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Security Groups (1/1)

Filter security groups

search: sg-0ea35fc23c96d2778

Clear filters

<input checked="" type="checkbox"/>	Name	Security group ID	Security group name
<input checked="" type="checkbox"/>	-	sg-0ea35fc23c96d2778	test

sg-0ea35fc23c96d2778 - test

Details Inbound rules Outbound rules Tags

Inbound rules

Edit inbound rules

Type	Protocol	Port range	Source	Description - optional
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https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#SecurityGroups:search=sg-0ea35fc23c96d2778...

DBEaver 7.3.0 Connect to database EC2 Management Console

▶ 5:15

deleting the inbound rules for testing security groups

▶ 5:22

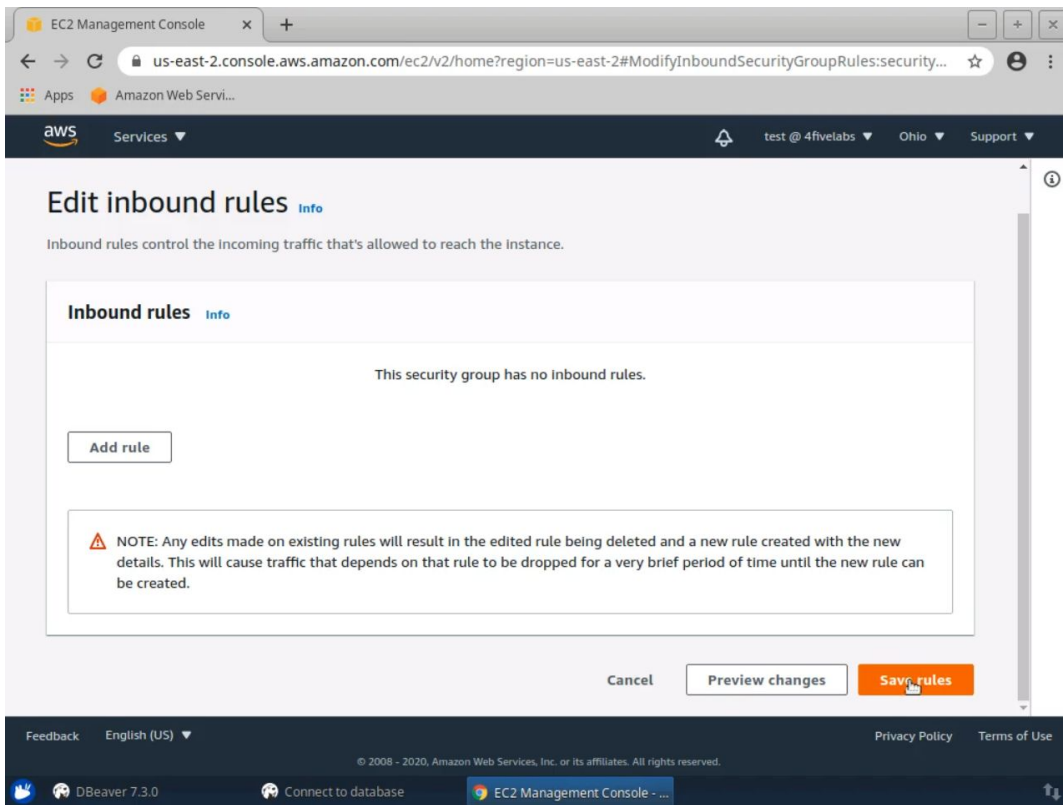
The screenshot shows the AWS Management Console interface for editing inbound security group rules. The browser address bar indicates the URL: `us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#ModifyInboundSecurityGroupRules:security...`. The console header shows the user is logged in as `test @ 4five1abs` in the `Ohio` region.

The main content area is titled "Inbound rules control the incoming traffic that's allowed to reach the instance." Below this, there are two rule configurations:

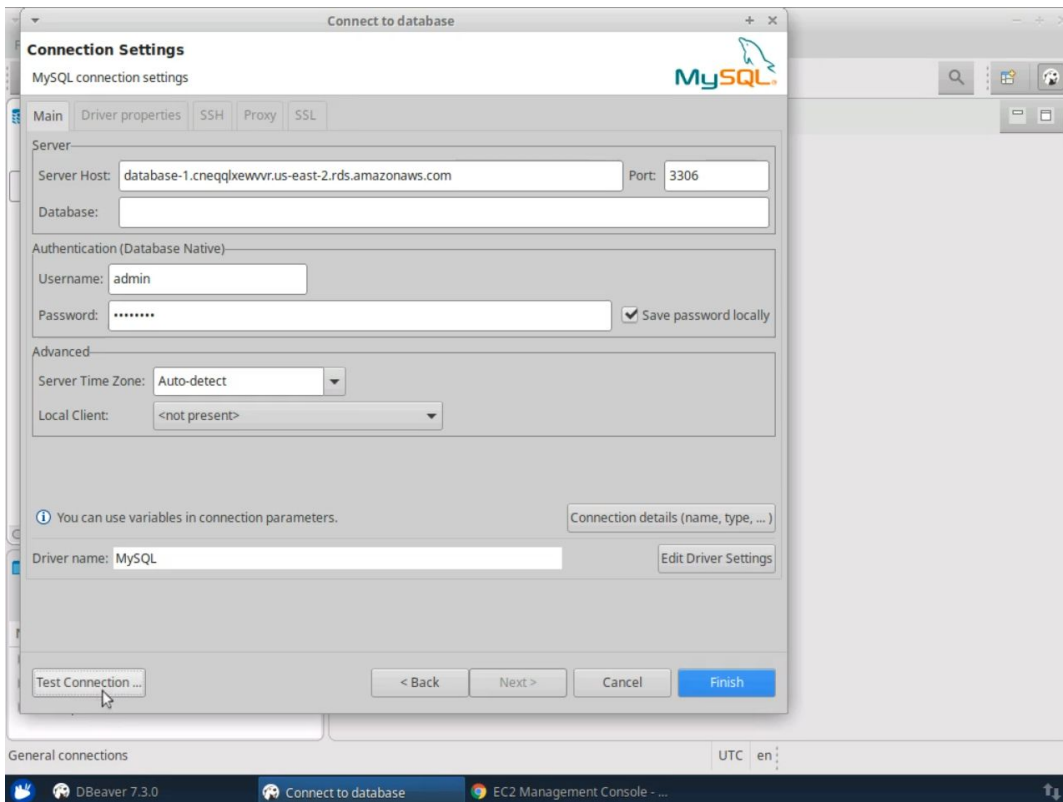
- Inbound rule 1:** Type: `MySQL/Aurora`, Protocol: `TCP`, Port range: `3306`, Source type: `Custom`, Source: `0.0.0.0/0`. A `Delete` button is visible to the right.
- Inbound rule 2:** Type: `MySQL/Aurora`, Protocol: `TCP`, Port range: `3306`, Source type: `Custom`, Source: `0.0.0.0/0`. A `Delete` button is visible to the right.

The footer of the console shows the language set to `English (US)` and the copyright notice: `© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved.`

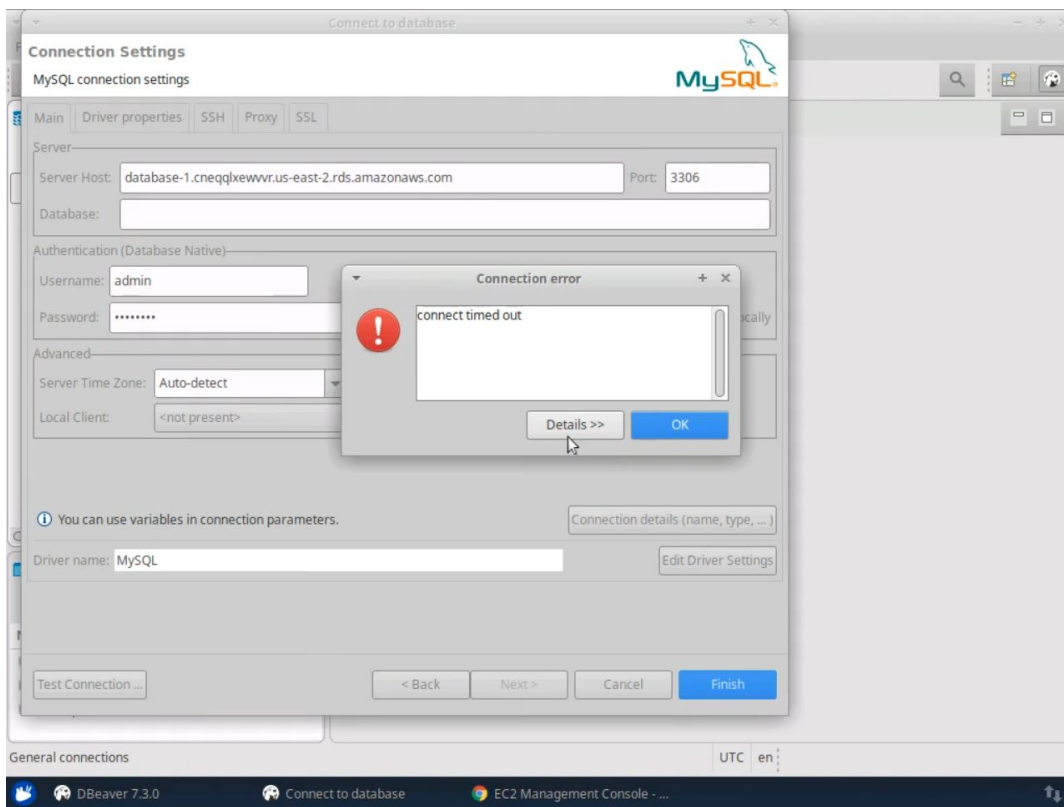
▶ 5:22



▶ 5:28



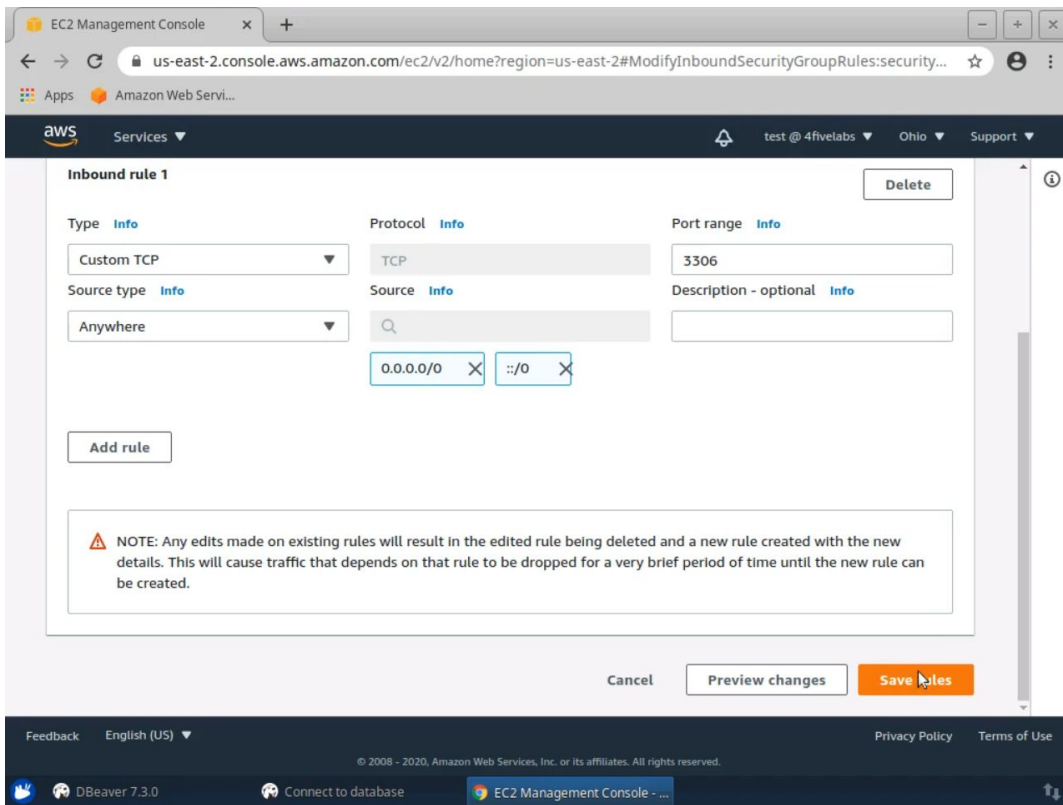
▶ 5:38



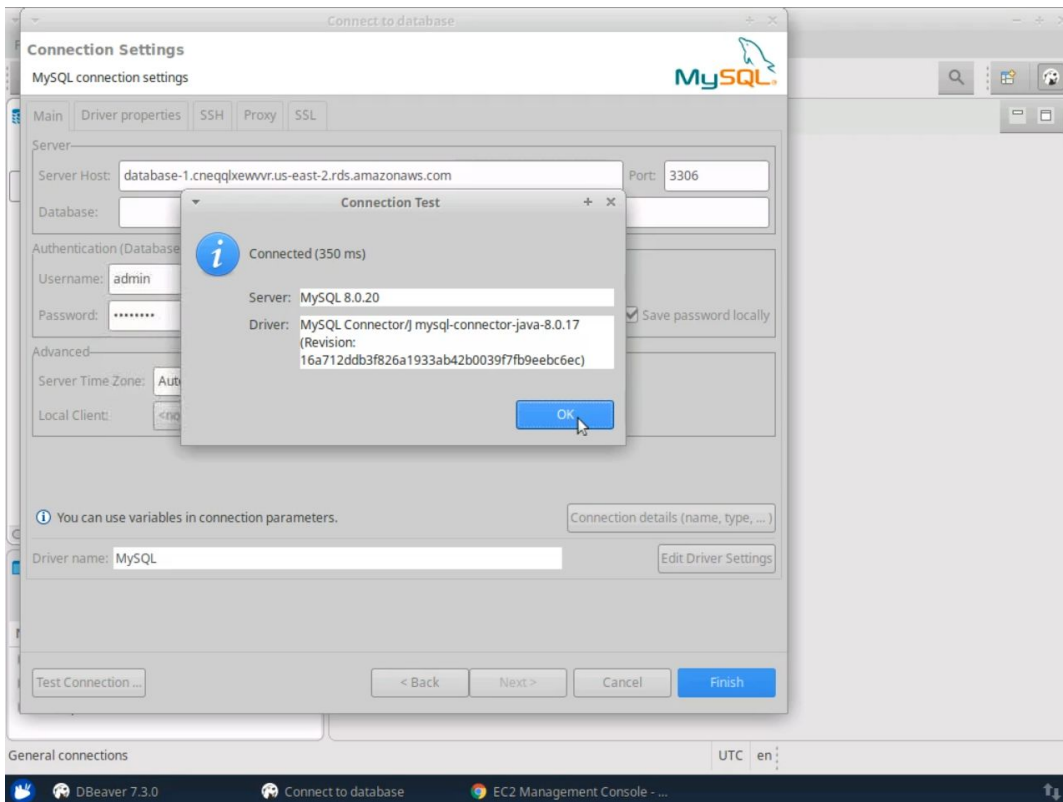
▶ 5:57

to make sure the DB work well we have to add inbound rules in security groups and add MySQL port

▶ 6:12



6:41



6:54